## **IN THE SPECIFICATION**

At page 5, after line 1, insert the following paragraph:

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawings will be provided by the Office upon request and payment of the necessary fee.

At page 5, at line 20 to page 6, line 1, replace with the following paragraph:

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At page 6, line 13, replace with the following paragraph:

FIGS. 3A to 3D. Multiplex-FISH analysis of CIN phenotype in hSecurin-<sup>1/2</sup> cells.

FIG. 3A. M-FISH karyotype from a hSecurin-/- cell metaphase.

FIGS. 3B-D. Summary of M-FISH data from parental hSecurin<sup>+/+</sup> HCT116 cells (B) and from hSecurin<sup>-/-</sup> cells (C-D). Loss of a single copy of a given chromosome is marked in redvertical-hatched, loss of both copies is marked in blackstippled, and gain of a single copy is marked in greendiagonal-hatched.

At page 7, line 23 to page 8, line 1, replace with the following paragraph:

FIGS. 6B-6C. Separin immunoprecipitates were incubated with mitotic Xenopus extracts, washed, and added to purified cohesin complexes. Samples were taken at different time points and analyzed by immunoblotting with myc antibodies. Full-length SCC1-myc migrates at 18 150 kDa; a SCC1-myc cleavage product of 110 kDa (FIG. 7B6B). A 55 kDa Scc1 cleavage product (arrows) absent from reactions using separin isolated from hSecurin-deficient cells (FIG. 7C6C).